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## JP63097633A2: NOVEL CHITOSAN PARTICLE

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Country: **JP Japan**

Kind:

Inventor(s): **ITO YOSHIO  
ITOYAMA MITSUNORI  
YABE HIROAKI**

Applicant(s): **FUJI BOSEKI KK**  
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Abstract:

**Purpose:** To obtain the title particles excellent in safety, biocompatibility and swellability and useful as a carrier for physiologically active substances, by reacting specified chitosan particles with an aromatic compound and crosslinking the product with an organic diisocyanate.

**Constitution:** Chitosan particles (A) are obtained by coagulating a 3W6% acidic aqueous chitosan solution obtained by dissolving chitosan of an average MW of 10,000W230,000 in an aqueous acid solution (e.g., aqueous acetic acid solution) by feeding it under a pressure to a basic aqueous solution (e.g., aqueous NaOH solution) optionally containing a polar alcohol. Component A is reacted with 0.1W0.5mol, per mol of the glucosamine residues of component A, of an aromatic compound (B) (e.g., cyanuric chloride) in a polar solvent (e.g., dimethylformamide), and the product is crosslinked in a polar solvent containing 5W10% organic diisocyanate compound (C) (e.g., hexamethylene diisocyanate) to obtain the title particles having an apparent density of 0.015W0.030g/ml and a particle diameter of 0.10W0.35mm.

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Other Abstract Info: **DERABS C88-157861 DERC88-157861**

Foreign References: **(No patents reference this one)**



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